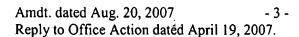
Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

- 1. (Currently amended) An isolated and purified polynucleotide selected from the group consisting of:
- (a) a polynucleotide encoding a protein eomprising consisting of the amino acid sequence of SEQ ID NO: 2; and
- (b) a polynucleotide eomprising consisting of the nucleotide sequence eorresponding to set forth at position 80 to 1924 in SEQ ID NO: 1; and
- (e) a polynucleotide comprising the nucleotide sequence with at least
 95% homology to the nucleotide sequence corresponding to position 80 to 1924 in SEQ
 ID NO: 1 which have the binding activity to afadin and/or actinin.
 - 2. (Canceled)
 - 3. (Original) A vector into which the polynucleotide of claim 1 is inserted.
 - 4. (Canceled)
- 5. (Original) A method for producing the polypeptide encoded by the polynucleotide of claim 1, comprising the steps of culturing a host cell expressively carrying either said polynucleotide or a vector into which said polynucleotide is inserted, and recovering the produced polypeptide from said host cell or culture supernatant thereof.
 - 6. (Canceled)
 - 7. (Canceled)
 - 8. (Canceled)



Takai et al. Appl. No. 10/644,084

- 9. (Canceled)
- 10. (Canceled)
- 11. (Canceled)
- 12. (Canceled)
- 13. (Canceled)
- 14. (Original) The polynucleotide of claim 1, wherein said polynucleotide is the polynucleotide of (a).
- 15. (Original) The polynucleotide of claim 1, wherein said polynucleotide is the polynucleotide of (b).
 - 16. (Canceled)
 - 17. (Canceled)
 - 18. (Canceled)
 - 19. (Canceled)
 - 20. (Canceled)
 - 21. (Canceled)
 - 22. (Canceled)
- 23. (Currently amended) An isolated and purified host cell transformed with retaining the vector of claim 3.